

Antonio Bilotta

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

550
citations

567281

15
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

290
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical size estimates of inclusions in Kirchhoff's Love elastic plates. <i>International Journal of Solids and Structures</i> , 2019, 168, 58-72.	2.7	10
2	The use of quasi-isospectral operators for damage detection in rods. <i>Meccanica</i> , 2018, 53, 319-345.	2.0	10
3	Numerical sensitivity analysis of corrosion detection. <i>Mathematics and Mechanics of Solids</i> , 2017, 22, 72-88.	2.4	10
4	Multiscale 3D mixed FEM analysis of historical masonry constructions. <i>European Journal of Environmental and Civil Engineering</i> , 2017, 21, 772-797.	2.1	15
5	Elastoplastic analysis of pressure-sensitive materials by an effective three-dimensional mixed finite element. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2017, 97, 382-396.	1.6	9
6	Reconstructing blockages in a symmetric duct via quasi-isospectral horn operators. <i>Journal of Sound and Vibration</i> , 2016, 366, 149-172.	3.9	19
7	A composite mixed finite element model for the elasto-plastic analysis of 3D structural problems. <i>Finite Elements in Analysis and Design</i> , 2016, 113, 43-53.	3.2	18
8	Deformation modes of thin-walled members: A comparison between the method of Generalized Eigenvectors and Generalized Beam Theory. <i>Thin-Walled Structures</i> , 2016, 100, 192-212.	5.3	41
9	An Efficient Algorithm for Shakedown Analysis Based on Equality Constrained Sequential Quadratic Programming. , 2015, , 177-197.		1
10	A geometrically exact beam model with non-uniform warping coherently derived from the Saint Venant rod. <i>Engineering Structures</i> , 2014, 68, 33-46.	5.3	47
11	Buckling analysis through a generalized beam model including section distortions. <i>Thin-Walled Structures</i> , 2014, 85, 125-141.	5.3	27
12	A composite beam model including variable warping effects derived from a generalized Saint Venant solution. <i>Composite Structures</i> , 2014, 110, 140-151.	5.8	26
13	A generalized model for heterogeneous and anisotropic beams including section distortions. <i>Thin-Walled Structures</i> , 2014, 74, 85-103.	5.3	61
14	A mixed beam model with non-uniform warpings derived from the Saint Venant rod. <i>Computers and Structures</i> , 2013, 121, 87-98.	4.4	52
15	An algorithm for incremental elastoplastic analysis using equality constrained sequential quadratic programming. <i>Computers and Structures</i> , 2012, 102-103, 97-107.	4.4	24
16	Three field finite elements for the elastoplastic analysis of 2D continua. <i>Finite Elements in Analysis and Design</i> , 2011, 47, 1119-1130.	3.2	25
17	Performance of a high-order continuity finite element in three-dimensional elasticity. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2010, 26, 1155-1175.	2.1	53
18	A numerical study on the solution of the Cauchy problem in elasticity. <i>International Journal of Solids and Structures</i> , 2009, 46, 4451-4477.	2.7	41

#	ARTICLE	IF	CITATIONS
19	Computing Volume Bounds of Inclusions by Measurements. Journal of Scientific Computing, 2007, 33, 293-312.	2.3	24
20	Numerical size estimates of inclusions in elastic bodies. Inverse Problems, 2005, 21, 133-151.	2.0	28
21	Evaluation of the amount of crack growth in 2D LEFM problems. Engineering Fracture Mechanics, 2004, 71, 1403-1419.	4.3	9
22	A MATLAB-Based Symbolic Approach for the Quick Developing of Nonlinear Solid Mechanics Finite Elements. , 0, , .		0